

**Abstract**

The invention concerns an optical detection system (2) for vehicles, in particular motor vehicles, comprising a camera optics (4, 6) disposed on the vehicle, and a control device (8) for controlling the focus and/or image frame of the camera optics (4, 6), wherein the control device (8) is suited for coupling to a signal transmitter (34, 36, 38, 60), such that the focus and/or the image frame of the camera optics (4, 6) can be controlled in dependence on the signals which can be generated by the signal transmitter (34, 36, 38, 60). The invention also concerns a control device (8) and a method for an optical detection system (2).